

Amendments to the Specification are as follows:

Before the first sentence on page 1 please insert the following paragraph.

This application claims the benefit of priority to Japanese Patent Application No. 2002-356214, herein incorporated by reference.

Please amend the paragraph beginning on page 3, line 1 and ending on page 3, line 5 as follows:

Thus, a functional multilayer film has been proposed wherein dielectric thin films [2] are laminated to form a matrix [1], and a number of fine metallic bodies [4] are arbitrarily arranged on a surface [3] of each of the dielectric thin films [2] thereby to form a metal pattern [5].

Please amend the paragraph beginning on page 3, line 6 and ending on page 3, line 9 as follows:

According to this functional multilayer film, it is possible to arrange fine metallic bodies [4] at a predetermined interval. This enables the local unevenness of the fine metallic bodies [4] in the matrix [1] to be suppressed.

Please delete line 11 as follows:

~~SUMMARY OF THE INVENTION~~

Please amend the paragraph beginning on page 3, line 12 and ending on page 3, line 23 as follows:

However, according to this functional multilayer film, the intervals of the fine metallic bodies [4] in the thickness direction of the film and the arrangement thereof in the surface direction of film can be regular, but it is difficult to make the fine metallic bodies [4] arranged in each layer in the surface direction of the film to be aligned also in the thickness direction of film. In other words, as can be also found from Fig. 7, it is difficult to arrange fine metallic bodies [4] of a dielectric thin film [2b] directly on fine metallic bodies [4] of a dielectric thin film [2a]. As a result, the fine metallic bodies [4] are not arranged in line with respect to the thickness direction of the film.

Before line 24 please insert the following heading:

SUMMARY OF THE INVENTION

Please amend the paragraph beginning on page 3, line 24 and ending on page 4, line 4 as follows:

The present invention was made to solve the above problems.

Embodiments ~~It is therefore an object of the present invention to provide a~~ functional multilayer film and a method for manufacturing the same wherein the intervals of the fine metallic bodies in the thickness direction of the film and the arrangement thereof in the surface direction of the film are regular, and the fine metallic bodies arranged in each layer in the surface direction of the film are aligned in the thickness direction of the film.

Please amend the paragraph beginning on page 4, line 16 and ending on page 4, line 21 as follows:

According to the present invention, the intervals of the fine metallic bodies in the thickness direction of the film and the arrangement thereof in the surface direction of the film can be regular, and the fine metallic bodies arranged in each layer in the surface direction of the film can be aligned in the thickness direction of the film.

Please amend the paragraph beginning on page 5, line 15 and ending on page 5, line 21 as follows:

According to the present invention, it is possible to manufacture a functional multilayer film wherein the intervals of the fine metallic bodies in the thickness direction of the film and the arrangement thereof in the surface direction of the film is regular, and the fine metallic bodies arranged in each layer in the surface direction of the film are aligned in the thickness direction of the film.

Please amend the paragraph beginning on page 7, line 25 and ending on page 8, line 9 as follows:

As described above, by arranging substantially spherical fine metallic bodies 4 in the lower parts of a plurality of the conical recesses 3a which is regularly arranged on the surface 3 of each of the dielectric thin films so as to form the metal-arranged thin film 6, and laminating a plurality of the metal-arranged thin films 6, it is possible to arrange the fine metallic bodies 4 at the substantially same intervals in the thickness direction of the film and in the surface direction of the film. As a result, it is possible to suppress a partial irregularity in the thickness direction of the film and in the surface direction of the film compared with a case in which metallic fine particles are randomly arranged in a dielectric matrix.

Please amend the paragraph beginning on page 13, line 26 and ending on page 14, line 16 as follows:

According to the present invention as described above, fine metallic bodies are arranged in the lower parts of a plurality of recesses which is regularly arranged on a surface of a dielectric thin film so as to form a metal-arranged thin film, and a plurality of the metal-arranged thin films are laminated. Thus, the intervals of the fine metallic bodies in the thickness direction of the film and the arrangement thereof in the surface direction of the film become regular. As a result, it is possible to suppress a partial irregularity in the fine metallic bodies in the thickness direction and surface direction of the film. Moreover, it is possible to make the fine metallic bodies arranged in the lower parts of the recesses of each layer in the surface direction of film to be aligned in the thickness direction of the film. This enables a functional multilayer film having an excellent nonlinear property to be obtained. Further, it is also possible to arbitrarily control an interaction between layers of the fine metallic bodies aligned in the thickness direction of the film.

Please amend the paragraph beginning on page 14, line 23 and ending on page 15, line 10 as follows:

Further, according to the present invention, a dielectric thin film is formed to have a plurality of recesses regularly arranged on the surface thereof, a metallic thin film is formed on the dielectric thin film, a heat

treatment is performed to the metallic thin film for metal to flow into the lower parts of the recesses of the dielectric thin film so as to form fine metallic bodies to complete a metal-arranged thin film, and a plurality of the metal-arranged thin films is laminated to form a matrix. As a result, it is possible to manufacture a functional multilayer film in which the intervals of the fine metallic bodies in the thickness direction of the film and the arrangement thereof in the surface direction of the film are regular, and the fine metallic bodies arranged on each layer in the surface direction of film are aligned in the thickness direction of the film.